



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 1, 2019

Craig D. Kleppe, Ph.D.  
Product Registration Manager  
BASF Corporation  
26 Davis Drive  
Research Triangle Park, NC 27709

Subject: PRIA Label Amendment – New use on African Marigold Grown for the Purpose of Lutein and Zeaxanthin Extraction  
Product Name: Armezon Herbicide  
EPA Registration Number: 7969-262  
Application Date: January 9, 2018  
Decision Number: 537566

Dear Dr. Kleppe:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec 3 (c)(5). You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Emily Schmid at 703-347-0189 or by email at [schmid.emily@epa.gov](mailto:schmid.emily@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "D. Kenny", with a long horizontal flourish extending to the right.

Daniel Kenny, Chief  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

Topramezone

Group

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Herbicide

## Supplemental Label

# Armezon®

## Herbicide

### For postemergence weed control in African marigold production

This supplemental label expires July 1, 2022, and must not be used or distributed after this date.

#### Active Ingredient:

topramezone: [3-(4,5-dihydro-isoxazolyl)-2-methyl-4-(methylsulfonyl)phenyl](5-hydroxy-1-methyl-1*H*-pyrazol-4-yl)methanone

.....	29.7%
<b>Other Ingredients:</b> .....	70.3%
<b>Total:</b> .....	100.0%

1 gallon contains 2.8 pounds of topramezone free acid.

EPA Reg. No. 7969-262

### CAUTION/PRECAUCION

#### Directions For Use

- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- The supplemental labeling and the entire **Armezon® herbicide** container label, EPA Reg. No. 7969-262, must be in possession of the user at the time of application.
- Read the label affixed to the container for **Armezon** before applying.
- Use of **Armezon** according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Armezon**.

#### Product Information

**Armezon** provides systemic postemergence control or growth suppression of emerged broadleaf and grass weeds. Refer to the **Armezon** container label for a complete list of weeds controlled or suppressed and maximum weed sizes.

#### Application Instructions

**Armezon** is only registered for use in African marigold grown for the purpose of lutein and zeaxanthin extraction.

#### Use Method, Rate, and Timing

Apply **Armezon** in a single application or sequential applications after complete crop recovery with an interval of 14 days or more.

Apply 0.5 to 1.0 fluid ounce of **Armezon** per acre as a ground broadcast spray. Best product performance is obtained when weeds are small and actively growing. Thorough coverage of existing weeds is essential, and higher spray volume may be needed for best performance.

**Armezon** applications must include spray additives. The specific additive (**adjuvant plus nitrogen fertilizer**) requirements for **application in African marigold are as follows:**

- Crop oil concentrate (COC) at 1.5 gallons per 100 gallons of water (1.5% volume/volume), plus

**ACCEPTED**

7/1/2019

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 7969-262

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- Spray grade ammonium sulfate (AMS) at 8.5 pounds per 100 gallons of water **or** a liquid nitrogen fertilizer such as urea ammonium nitrate (UAN, 28% to 34%) **or** ammonium phosphate (10-34-0) at 1.25 to 2.5 gallons per 100 gallons of water (1.25% to 2.5% v/v).
- **DO NOT** use methylated seed oil (MSO) as a substitute for COC or severe crop injury may occur.

**Postemergence.** Apply **Armezon**<sup>®</sup> herbicide over-the-top of African marigold when target weeds are actively growing. African marigold plants must have at least 2 to 4 full leaves with a minimum height of 3 to 5 inches, before an **Armezon** application can be made.

**Postemergence-directed.** Apply **Armezon** as a postemergence-directed spray beneath the canopy of established plants and between rows for postemergence weed control.

### Crop-specific Restrictions

- **DO NOT** apply more than 1.0 fluid ounce of **Armezon** (0.022 lb topramezone) per acre in a single application.
- **DO NOT** apply more than a maximum cumulative total of 2.0 fluid ounces of **Armezon** (0.044 lb topramezone) per acre per year.
- **DO NOT** graze livestock in treated fields or feed treated plant materials to animals.
- **DO NOT** apply by air.

### Crop-specific Precautions

- Avoid overlapping spray patterns because crop injury can occur.
- Refer to **Armezon** container label for rotational crop intervals.

## Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.**

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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